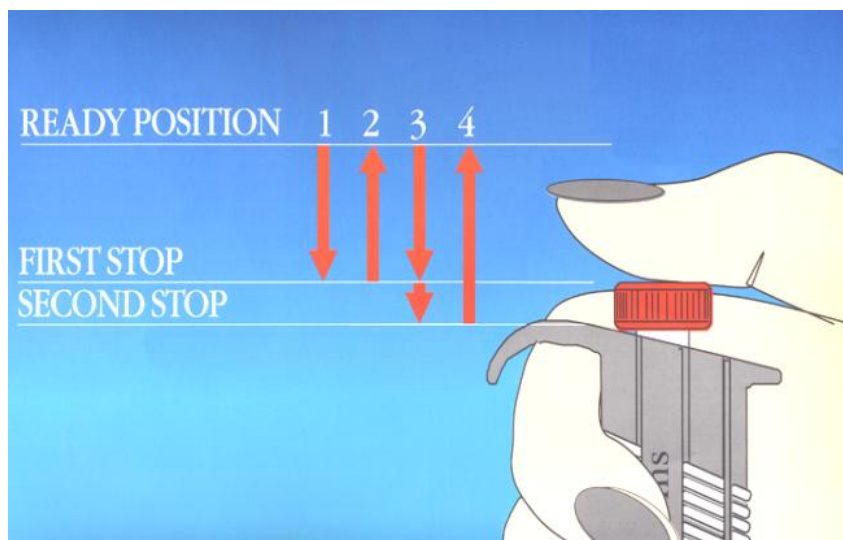


MICROPIPETTING

Micropipetting is an important technique for synthetic biologists. It is used to add, remove and combine tiny volumes (hundredths or thousandths of millilitres) of liquids.

Here, you are able to practise with a real micropipette. These instruments are very expensive and sensitive.

When you are pipetting, remember that there are TWO STOPS on the plunger. When you are drawing up liquid, bring the plunger down to the FIRST stop, then release. When you are ejecting liquid, bring the plunger down to the SECOND stop to make sure all the liquid is out.



**PLEASE DO NOT USE THE MICROPIPETTES WITHOUT A
DEMONSTRATOR**

MICROPIPETTING

MAGIC MILK

1. Adjust the micropipette to a 500 μ L volume.
2. Attach a tip to the micropipette.
3. Press down to the first stop and draw up 500 μ L of a chosen colour dye.
4. Transfer the dye onto the milk dish by pushing down to the second stop.
5. Discard the tip from the pipette.
6. Repeat this with another colour.
7. Adjust the micropipette to a 200 μ L volume.
8. Using the same method, transfer 200 μ L of detergent to the milk dish.
9. Discard the tip, and observe the colour movement of the mixture.

